

Listing of Claims

The following listing of claims will replace all prior versions, and listings, of claims in the subject application:

Claims 1-12 (canceled).

13. (new) A measurement data generating method applied to a system for observing a ground based on various data items measured at observation points by a plurality of measuring instruments, the method comprising the steps of:

(a) determining whether an operating state of each measuring instrument is normal or abnormal based on the measured data items obtained from the plurality of measuring instruments;

(b) giving a re-measurement instruction to a measuring instrument whose operating state is determined to be abnormal in step (a);

(c) storing the measured data items in a first database in sequence for each observation point;

(d) storing user contract information for each contract user who requires the measured data items in a second database, the contract information in the second database containing information of required observation points, information of required data items, and information of required observation time;

(e) editing measured data items satisfying requirements of the contract users by using the measured data items stored in the first database in accordance with the user contract information stored in the second database; and

(f) transmitting the edited data items to the contract users.

14. (new) The method according to claim 13, wherein the information of required observation time indicates at least one of time unit of hour, time unit of morning/afternoon, time unit

of half year/one year.

15. (new) A measurement data generating method applied to a system for observing a ground based on various data items measured at observation point by a plurality of measuring instruments, the method comprising the steps of:

(a) determining whether an operating state of each measuring instrument is normal or abnormal based on the measured data items obtained from the plurality of measuring instruments;

(b) giving a re-measurement instruction to a measuring instrument whose operating state is determined to be abnormal in step (a);

(c) determining the measuring instrument given with the re-measurement instruction malfunctions if the operation state is again determined to be abnormal after re-measurement;

(d) determining whether data items measured by the measuring instruments whose operating state are determined to be normal in step (a), based on relationship of the measured data items;

(e) storing the measured data items determined to be normal in step (d) in a first database in sequence for each observation point;

(f) storing user contract information for each contract user who requires the measured data items in a second database, the contract information in the second database containing information of required observation points, information of required data items, and information of required observation time;

(g) editing measured data items satisfying requirements of the contract users by using the measured data items stored in the first database in accordance with the user contract information stored in the second database; and

(h) transmitting the edited data items to the contract users.

16. (new) The method according to claim 15, wherein the information of required observation time indicates at least one of time unit of hour, time unit of morning/afternoon, time unit of half year/one year.